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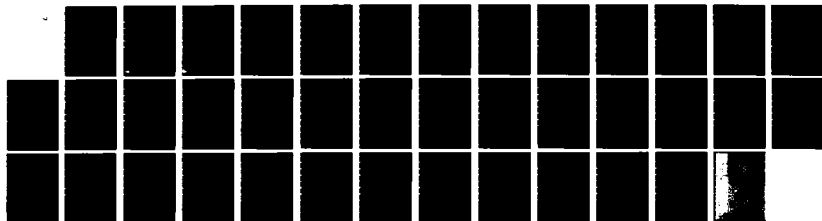
148238 LANCE MISSILE NUMBER 5342 ROUND NUMBER 397-AST

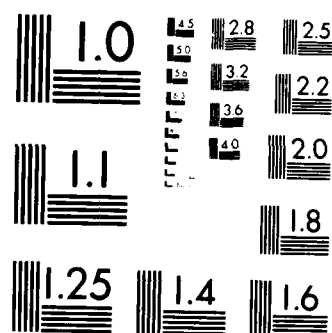
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12 APRIL 1984(U) ARMY ELECTRONICS RESEARCH AND
DEVELOPMENT COMMAND WSMR NM ATM. D C KELLER MAY 84
ERADCOM/ASL-DR-1340 F/G 4/2

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DR 1340

May 84

AD

AD-A143 549

METEOROLOGICAL DATA REPORT

14823B Lance

Missile Number 5342

Round Number 397-AST

12 April 1984

by

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Program Support Coordinator

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ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

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UNITED STATES ARMY ELECTRONICS COMMAND

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report) Approved for public release; distribution unlimited.		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Meteorological data gathered for the launching of the 14323B Lance, Missile Number 5342, Round Number 397-AST are presented in tabular form.		

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INTRODUCTION

14823B LANCE, Missile Number 5342, Round Number 397-AST, was launched from LC-39, White Sands Missile Range (WSMR), New Mexico, at 0525:03 MST, 12 Apr 1984. The scheduled launch time was 0400 MST.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

(1) Standard surface observations to include pressure, temperature ($^{\circ}\text{C}$), relative humidity, dew point ($^{\circ}\text{C}$), density (gm/m^3), wind direction and speed and cloud cover were made at the LC-39 Met Site at T-0 minutes.

(2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

SITE AND ALTITUDE

LC-36 7,000 ft.
LC-36 10,000 ft.

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

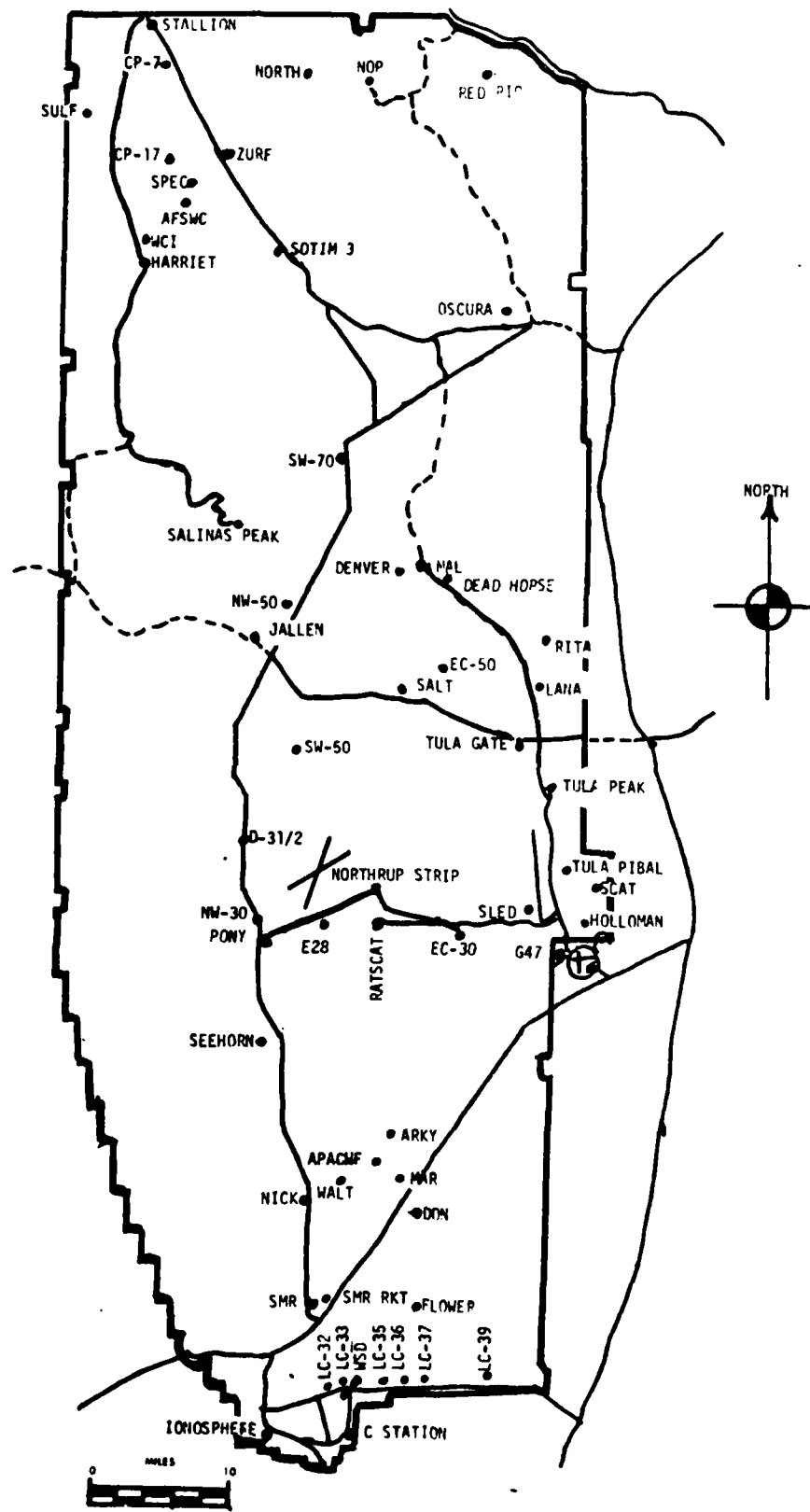
SITE AND TIME

WSD 0001 MST
NW-30 0230 MST
JAL 0400 MST
WSD 0525



A7

WSMR METEOROLOGICAL SITES



WINDS ALOFT DATA

TABLE NUMBER 2

RELEASED FROM: LC-36 DATE: 12 Apr 84 TIME: 0515 'STXXX'IDT

UTM COORDINATES: X= 504,467.18 Y= 190,776.98 Z= 4,040.71

METHOD OF DATA COLLECTION: S/T D/T T-9 x PAGE DRAWING

HEIGHTS: METERS AGL _____ FEET AGL _____ x METERS MSL _____ FEET MSL _____

HEIGHT	DIRECTION DEGREES	SPEED KTS
SFC	355	08
200	285	10
400	346	19
600	352	29
800	359	30
1000	003	28
1200	004	27
1400	008	26
1600	015	24
1800	018	23
2000	022	22
2200	018	21
2400	024	18
2600	025	17
2800	031	16
3000	023	10
3200	025	08
3400	012	08
3600	349	06
3800	355	05
4000	320	07
4200	319	07
4400	330	08
4600	314	12
4800	315	12
5000	311	17
5200	304	16
5400	292	18

[illegible][illegible]

WINDS ALOFT DATA

TABLE NUMBER 3

RELEASED FROM: LC-36 DATE 12 Apr 84 TIME 0532 INST X NOT

UTM COORDINATES: X= 504,467.18 Y= 190,776.93 Z= 4,040.71

METHOD OF DATA COLLECTION: S/T _____ D/T _____ T-9 X PAOB _____ PAWIN _____

HEIGHTS: METERS AGL _____ FEET AGL X METERS MSL _____ FEET MSL _____

HEIGHT	DIRECTION DEGREES	SPEED KTS
SFC	345	07
200	M	M
400	351	08
600	345	25
800	357	27
1000	003	28
1200	007	26
1400	007	25
1600	004	23
1800	006	22
2000	013	21
2200	022	21
2400	023	15
2600	033	15
2800	033	13
3000	025	10
3200	022	08
3400	023	07
3600	025	07
3800	006	07
4000	343	05
2400	322	05
4400	320	07
4600	315	08
4800	319	08
5000	315	09
5200	304	11
5400	301	14

HEIGHT	DIRECTION DEGREES	SPEED KTS
5600	301	15
5800	290	17
6000	284	20
6200	280	27
6400	280	28
6600	279	25
6800	282	27
7000	284	28
7200	281	30
7400	276	31
7600	275	32
7300	273	31
8000	271	31
3200	271	31
8400	271	29
8600	274	29
8800	275	29
9000	280	26
9200	280	25
9400	283	24
9600	286	23
9800	291	23
10000	293	23

[illegible]

AIMING AND T-TIME COMPUTER MET MESSAGE DATA

12 April 1984

WSD 0001 MST

METCM1324064

120700122875

00640010 28990875
01011020 29090864
02006023 29000839
03599015 28720801
04545016 28380754
05499022 28060710
06482025 27800668
07502028 27450628
08501035 27040590
09501038 26640554
10498042 26240519
11489040 25880486
12465035 25400440
13464035 24740384
14487033 23840334
15497036 22950289
16501037 22060248
17494033 21220212
18517044 20660180
19493035 20770153
20499053 20550130
21516054 20600110
22524041 20900093
23484008 21360080
24419008 21070068
25467007 21190058
26048005 21440049

NW-30 0230 MST

METCM1329065

120950122876

00000000 28540876
01101007 28690865
02041012 28600840
03020010 28380801
04590007 28120754
05533021 27890709
06499025 27620667
07514027 27240627
08509035 26850589
09489037 26470552
10494040 26090518
11497041 25780485
12487041 25290438
13484044 24530382
14467044 23710332
15485046 22840287
16492047 21940246
17490045 21110210
18514048 20730179
19501047 20840152
20518051 20650129
21522060 20750109
22538039 21030093
23360005 20910079
24450025 21050067
25443019 21430057
26076011 21340049

JALLEN 0400 MST

METCM1332065

121100124874

00444004 28570874
01543008 28620864
02464004 28640838
03530021 28260799
04583017 28120752
05541020 27880708
06483026 27510666
07492023 27150625
08500029 26780587
09498038 26410551
10501043 26040516
11497045 25720483
12500046 25190437
13492051 24440381
14479056 23690331
15478055 22800286
16481052 21910245
17496054 21140209
18512058 20760178
19510065 20970151
20526054 20700129
21528055 20600109
22535033 20840093
23420013 20930079
24491008 21240067
25620008 21210057
26059009 21510049

WSD 0525 MST

METCM1324064

121240122878

00053010 28590878
01013023 28580867
02023025 28550842
03024008 28450802
04598008 28190755
05516016 27870711
06492025 27560668
07502022 27250628
08501024 26870590
09492031 26490553
10497034 26080519
11509036 25710486
12509039 25230439
13497037 24470383
14480039 23720332
15490042 22860287
16485043 22020247
17486046 21290211
18511047 21020180
19512049 21040153
20543044 20790130
21537035 20740110
22535021 20680094
23502024 20850080
24510017 21320068
25557017 21470058
26021005 21540049

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

SIGNIFICANT LEVEL DATA
1030020206
WHITE SANDS

STATION ALTITUDE 3989.00 FEET MSL
12 APR. 84
0001 HRS MST
ASCENSION NO. 206

TABLE 5

PRESSURE MILLIBARS	GLOMETRIC ALTITUDE MSL FEET	TEMPERATURE		REL. HUM. PERCENT
		AIR DEGREES	DEWPOINT CENTIGRADE	
874.5	3989.0	16.4	-9.4	16.0
268.3	4187.8	17.6	-7.7	17.0
350.0	4784.0	17.2	-8.0	17.0
771.9	7453.5	11.5	-10.6	20.0
700.0	10110.7	6.2	-9.2	32.0
658.3	11757.3	3.9	-17.0	20.0
500.0	18873.5	-13.2	-17.0	30.0
423.5	22970.3	-21.1	-38.5	19.0
400.0	24351.3	-23.2	-40.8	18.0
312.0	37149.3	-39.0	-53.3	20.0
300.0	31030.4	-41.4		
250.0	35009.9	-52.3		
200.0	30638.1	-64.1		
177.8	41984.4	-69.0		
173.2	42503.8	-66.8		
168.6	43043.5	-64.1		
159.4	44177.2	-63.7		
150.0	45400.3	-65.8		
142.0	46491.2	-68.3		
128.2	48523.3	-66.4		
119.4	49800.2	-70.3		
110.9	5102.9	-66.0		
100.0	53443.9	-66.0		
89.3	55745.5	-63.1		
79.7	59085.2	-57.6		
70.0	60749.3	-64.1		
63.5	62734.8	-60.9		
54.4	65905.6	-61.6		
50.0	67647.2	-57.9		
45.0	69877.0	-58.2		
50.0	78551.0	-53.7		
24.2	82927.6	-52.9		
20.0	87021.2	-50.3		
15.6	91566.7	-48.2		

STATION ALTITUDE 3089.00 FEET MSL
14 APR. 84 0001 HRS MST
ASCENSION NO. 206

UPPER AIR DATA
1030020206
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 6

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE		REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND		WIND DATA		INDEX OF REFRACTION
		AIR DEGREES	DEWPOINT CENTIGRADE			KNOTS	KNOTS	DIRECTION (TN) DEGREES	SPEED KNOTS	
39-9.0	874.5	16.4	-9.4	16.0	1050.8	663.3	360.0	360.0	1.0	1.000248
40-0.0	874.2	16.5	-9.4	16.1	1050.1	663.4	359.1	359.1	1.1	1.000248
45-0.0	856.7	17.4	-7.9	17.0	1028.0	664.5	352.3	352.3	5.6	1.000244
50-0.0	843.4	16.7	-8.2	17.2	1012.0	663.8	351.5	351.5	10.1	1.000240
55-0.0	828.3	15.7	-8.7	17.8	997.6	662.6	351.3	351.3	14.6	1.000237
60-0.0	813.5	14.6	-9.2	18.4	983.4	661.3	349.5	349.5	17.8	1.000233
65-0.0	798.9	13.5	-9.7	18.9	969.5	660.1	337.9	337.9	15.4	1.000230
70-0.0	784.6	12.5	-10.2	19.5	955.7	658.8	323.7	323.7	14.0	1.000226
75-0.0	770.6	11.4	-10.6	20.2	942.1	657.6	314.5	314.5	15.1	1.000223
80-0.0	756.5	10.4	-10.1	22.5	928.1	656.5	306.4	306.4	16.5	1.000220
85-0.0	742.7	9.4	-9.7	24.7	914.4	655.4	299.9	299.9	17.9	1.000218
90-0.0	729.2	8.4	-9.5	27.0	900.8	654.2	294.1	294.1	19.5	1.000215
95-0.0	715.9	7.4	-9.3	29.2	887.5	653.1	284.9	284.9	20.7	1.000212
100-0.0	702.9	6.4	-9.2	31.5	874.4	651.9	277.0	277.0	22.4	1.000209
105-0.0	689.9	5.7	-10.9	29.2	860.8	651.0	273.7	273.7	23.5	1.000205
110-0.0	677.2	5.0	-13.1	25.5	847.2	650.1	271.5	271.5	24.5	1.000200
115-0.0	664.6	4.3	-15.6	21.9	833.8	649.2	273.7	273.7	25.5	1.000195
120-0.0	652.2	3.5	-17.3	20.3	821.0	648.1	276.0	276.0	26.5	1.000191
125-0.0	639.7	2.1	-17.9	21.0	809.8	646.6	278.9	278.9	27.5	1.000188
130-0.0	627.4	.9	-16.5	21.7	796.9	645.2	281.1	281.1	28.8	1.000185
135-0.0	615.4	-3.3	-19.1	22.4	785.1	643.8	281.7	281.7	30.5	1.000182
140-0.0	603.6	-11.2	-19.8	23.2	773.5	642.4	282.2	282.2	32.2	1.000179
145-0.0	592.1	-2.7	-20.5	23.9	762.1	640.9	282.0	282.0	33.6	1.000176
150-0.0	580.8	-3.9	-21.2	24.6	750.8	639.5	281.9	281.9	35.0	1.000173
155-0.0	569.6	-5.1	-21.9	25.3	739.8	638.1	282.1	282.1	36.4	1.000170
160-0.0	558.7	-6.3	-22.6	26.0	729.9	636.6	282.2	282.2	37.8	1.000168
165-0.0	548.0	-7.5	-23.4	26.7	719.2	635.2	281.4	281.4	39.1	1.000165
170-0.0	537.5	-9.7	-24.1	27.4	707.7	633.7	280.9	280.9	40.3	1.000162
175-0.0	527.3	-9.9	-24.9	28.1	697.3	632.3	281.6	281.6	40.9	1.000160
180-0.0	517.4	-11.1	-25.7	28.8	687.1	630.8	282.2	282.2	41.5	1.000157
185-0.0	507.3	-12.3	-26.4	29.5	677.1	629.4	281.1	281.1	42.0	1.000155
190-0.0	497.4	-13.4	-27.4	29.7	666.9	628.0	279.9	279.9	42.4	1.000152
195-0.0	487.5	-14.4	-28.7	28.3	656.0	626.8	275.4	275.4	39.9	1.000149
200-0.0	477.7	-15.4	-29.1	27.0	645.3	625.6	270.7	270.7	37.7	1.000147
205-0.0	468.1	-16.3	-29.4	25.6	634.7	624.4	267.7	267.7	36.2	1.000144
210-0.0	458.7	-17.3	-29.8	24.3	624.4	623.2	264.2	264.2	34.4	1.000141
215-0.0	449.5	-18.3	-29.9	22.9	614.2	622.1	262.4	262.4	35.6	1.000139
220-0.0	440.5	-19.2	-29.7	21.6	604.2	620.9	261.0	261.0	36.5	1.000136
225-0.0	431.6	-20.2	-29.1	20.3	594.3	619.7	259.7	259.7	36.2	1.000134
230-0.0	423.0	-21.1	-29.6	19.0	584.6	618.5	258.4	258.4	35.9	1.000131

UPPER AIR DATA
1030020206
WHITE SANDS

STATION ALTITUDE 3959.00 FEET MSL
1 APR 68 0001 HRS MST
ASCENSION NO. 206

GEODETIC COORDINATES
32.40943 LAT DEG
106.17033 LON DEG

TABLE 6 Con't

GEOMETRIC ALTITUDE MSL F FT	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
							DIRECTION DEGREES(TN)	SPEED KNOTS	
23500.0	414.3	-21.9	-19.4	16.6	574.4	617.6	258.2	36.0	1.000129
24000.0	405.9	-22.7	-40.2	16.3	564.4	616.6	258.2	36.1	1.000127
24500.0	397.5	-23.6	-41.1	16.1	554.8	615.5	259.	35.3	1.000125
25000.0	389.0	-25.0	-42.2	16.2			260.4	34.5	1.000123
25500.0	380.5	-26.3	-43.2	16.4	557.4	612.1	260.8	33.	1.000121
26000.0	371.7	-27.7	-44.3	16.6	528.9	610.4	261.6	32.4	1.000119
26500.0	364.8	-29.1	-45.4	16.7	520.6	608.7	264.0	32.5	1.000117
27000.0	357.1	-30.4	-46.5	16.9	512.4	607.0	266.4	32.6	1.000115
27500.0	349.5	-31.8	-47.5	19.1	504.4	605.3	268.9	32.7	1.000113
28000.0	342.1	-33.1	-48.6	19.3	496.5	603.6	271.2	32.8	1.000111
28500.0	334.8	-34.5	-49.7	19.4	488.8	601.8	273.1	32.7	1.000109
29000.0	327.8	-35.9	-50.8	19.6	481.2	600.1	275.1	33.1	1.000106
29500.0	320.6	-37.2	-51.9	19.8	473.7	598.4	277.2	34.0	1.000106
30000.0	314.0	-38.6	-53.0	19.9	466.3	596.7	278.3	34.9	1.000104
30500.0	307.2	-40.0	-56.2	14.0**	458.9	594.9	278.3	35.7	1.000102
31000.0	300.4	-41.3	-56.2		451.4	593.2	278.5	36.2	1.000101
31500.0	293.6	-42.7	-79.1	.7**	443.8	591.4	279.1	36.3	1.000099
32000.0	287.0	-44.1			436.4	589.7	279.7	36.4	1.000097
32500.0	280.5	-45.4			429.0	587.9	280.7	36.7	1.000096
33000.0	274.1	-46.6			421.9	586.1	280.7	37.2	1.000094
33500.0	267.9	-48.2			414.8	584.3	280.7	38.2	1.000092
34000.0	261.8	-49.5			407.9	582.6	281.7	38.6	1.000091
34500.0	255.9	-50.9			401.1	580.8	281.8	38.2	1.000089
35000.0	250.1	-52.3			394.5	579.0	282.4	37.3	1.000088
35500.0	244.2	-53.5			387.3	577.3	282.7	35.8	1.000086
36000.0	238.3	-54.8			380.3	575.6	282.0	34.5	1.000085
36500.0	232.7	-56.1			373.4	574.0	280.0	33.5	1.000083
37000.0	227.1	-57.4			366.7	572.3	278.1	33.0	1.000082
37500.0	221.7	-58.6			360.1	570.6	276.5	32.8	1.000080
38000.0	216.4	-59.9			353.6	568.9	276.1	33.1	1.000079
38500.0	211.3	-61.2			347.3	567.2	276.9	33.7	1.000077
39000.0	206.2	-62.5			341.0	565.5	278.0	34.0	1.000076
39500.0	201.3	-63.7			334.9	563.7	279.6	34.0	1.000075
40000.0	196.4	-64.9			328.5	562.3	281.9	34.3	1.000073
40500.0	191.5	-65.9			322.0	560.8	284.8	35.0	1.000072
41000.0	186.8	-66.9			315.6	559.4	288.7	36.0	1.000070
41500.0	182.2	-68.0			309.3	558.0	292.0	37.8	1.000069
42000.0	177.7	-68.9			303.1	556.7	295.7	39.8	1.000068
42500.0	173.2	-66.8			297.5	559.6	297.2	40.3	1.000065
43000.0	169.0	-64.5			291.9	563.0	300.1	40.9	1.000063

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

UPPER AIR DATA
1030020206
WHITE SANDS

STATION ALTITUDE 3969.00 FEET MSL
14 APR. 84 0001 HRS MST
ASCENSION NO. 206

GEODEIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 6 Con't

GLOMERIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
435.0.0	164.8	-63.9		274.5	563.5	295.5	39.9	1.000061
440.0.0	160.8	-63.8		267.5	563.7	287.7	38.7	1.000060
445.0.0	156.9	-64.3		261.6	563.1	278.1	39.3	1.000058
450.0.0	153.0	-65.1		256.2	561.9	268.5	41.4	1.000057
455.0.0	149.3	-66.0		251.0	560.7	266.7	43.1	1.000056
460.0.0	145.5	-67.2		246.2	559.1	269.5	44.0	1.000055
465.0.0	141.9	-68.3		241.4	557.6	273.9	44.7	1.000054
470.0.0	138.4	-67.8		234.8	558.2	280.0	45.6	1.000052
475.0.0	135.0	-67.4		228.5	558.9	285.2	47.0	1.000051
480.0.0	131.6	-66.9		222.3	559.5	288.5	48.7	1.000050
485.0.0	128.4	-66.4		216.3	560.1	291.0	50.3	1.000048
490.0.0	125.1	-67.7		212.2	558.4	290.3	51.3	1.000047
495.0.0	122.0	-69.1		208.3	556.5	289.6	52.3	1.000046
500.0.0	119.0	-70.1		204.1	555.1	288.5	49.7	1.000045
505.0.0	116.0	-68.6		197.6	557.1	287.2	47.3	1.000044
510.0.0	113.1	-67.2		191.3	559.1	287.4	50.6	1.000043
515.0.0	110.3	-66.0		185.5	560.7	287.6	54.1	1.000041
520.0.0	107.6	-66.0		180.9	560.7	286.5	66.8	1.000040
525.0.0	104.9	-66.0		176.5	560.7	285.8	79.5	1.000039
530.0.0	102.3	-66.0		172.1	560.7	286.4	72.0	1.000038
535.0.0	99.8	-66.0		167.8	560.8	287.7	59.9	1.000037
540.0.0	97.4	-65.5		163.2	561.6	289.8	45.3	1.000036
545.0.0	95.0	-64.7		158.7	562.5	294.4	29.5	1.000035
550.0.0	92.7	-64.0		154.4	563.3	298.2	24.1	1.000034
555.0.0	90.4	-63.4		150.1	564.2	298.3	25.9	1.000033
560.0.0	88.2	-62.5		145.9	565.4	299.9	25.9	1.000032
565.0.0	86.1	-61.3		141.6	567.0	303.4	24.1	1.000032
570.0.0	84.0	-60.2		137.4	568.6	302.2	22.2	1.000031
575.0.0	82.0	-59.0		133.4	570.1	291.2	20.5	1.000030
580.0.0	80.0	-57.8		129.5	571.7	279.4	19.2	1.000029
585.0.0	78.1	-58.6		126.8	570.6	267.5	17.4	1.000028
590.0.0	76.2	-59.5		124.5	569.0	253.5	16.4	1.000028
595.0.0	74.4	-61.1		122.2	567.4	246.4	13.7	1.000027
600.0.0	72.6	-62.5		119.9	565.7	236.3	11.2	1.000027
605.0.0	70.9	-63.5		117.7	564.1	221.4	9.2	1.000026
610.0.0	69.1	-63.7		115.0	563.8	201.5	8.1	1.000026
615.0.0	67.5	-62.9		111.8	564.9	190.7	7.8	1.000025
620.0.0	65.8	-62.1		108.7	566.0	162.5	8.0	1.000024
625.0.0	64.5	-61.5		105.6	567.1	147.5	8.5	1.000024
630.0.0	62.7	-61.1		102.9	567.5	137.7	7.9	1.000023

UPPER AIR DATA
1030020206
WHITE SANDS

STATION ALTITUDE 3989.00 FEET MSL
12 APR. 84
ASCENSION NO. 206

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 6 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGR FES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	SPEED KNOTS	INDEX OF REFRACTION
63500.0	61.2	-61.1		100.5	567.3	126.7	7.6	1.000022
64000.0	59.7	-61.2		98.1	567.2	141.6	4.9	1.000022
64500.0	58.3	-61.3		95.8	567.0	183.7	3.2	1.000021
65000.0	56.9	-61.4		91.5	566.9	258.7	3.3	1.000021
65500.0	55.5	-61.5		91.3	566.8	294.3	6.8	1.000020
66000.0	54.2	-61.4		89.1	566.9	306.8	10.0	1.000020
66500.0	52.9	-60.3		86.5	568.3	317.1	12.1	1.000019
67000.0	51.6	-59.3		84.0	569.7	323.3	14.0	1.000019
67500.0	50.4	-58.2		81.6	571.2	319.0	11.9	1.000018
68000.0	49.2	-58.1		79.6	571.4	312.9	9.9	1.000018
68500.0	48.0	-58.3		77.8	571.0	313.5	8.2	1.000017
69000.0	46.8	-58.5		76.0	570.7	316.9	6.6	1.000017
69500.0	45.7	-58.7		74.3	570.4	322.9	6.0	1.000017
70000.0	44.7	-58.8		72.6	570.4	329.9	5.9	1.000016
70500.0	43.6	-58.5		70.8	570.8	339.1	5.7	1.000016
71000.0	42.6	-58.2		69.0	571.2	353.2	5.3	1.000015
71500.0	41.6	-57.9		67.3	571.6	7.4	5.3	1.000015
72000.0	40.6	-57.6		65.6	572.0	14.7	5.1	1.000015
72500.0	39.6	-57.3		64.0	572.4	22.1	5.1	1.000014
73000.0	38.7	-57.0		62.4	572.8	23.6	5.4	1.000014
73500.0	37.8	-56.7		60.8	573.2	23.6	5.6	1.000014
74000.0	36.9	-56.4		59.3	573.6	26.6	5.7	1.000013
74500.0	36.0	-56.1		57.8	574.0	33.1	5.5	1.000013
75000.0	35.2	-55.7		56.4	574.4	38.2	5.7	1.000013
75500.0	34.4	-55.4		55.0	574.8	37.0	7.2	1.000012
76000.0	33.6	-55.1		53.6	575.2	36.3	8.7	1.000012
76500.0	32.8	-54.8		52.3	575.6	34.7	10.6	1.000012
77000.0	32.0	-54.5		51.0	576.0	33.6	12.6	1.000011
77500.0	31.2	-54.2		49.7	576.4	37.6	13.2	1.000011
78000.0	30.5	-53.9		48.5	576.8	45.2	13.1	1.000011
78500.0	29.8	-53.7		47.3	577.2	51.2	13.1	1.000011
79000.0	29.1	-53.6		46.2	577.3	53.8	12.6	1.000010
79500.0	28.4	-53.5		45.1	577.4	56.7	12.2	1.000010
80000.0	27.6	-53.4		44.0	577.5	54.0	11.4	1.000010
80500.0	27.1	-53.3		43.0	577.6	49.1	10.7	1.000010
81000.0	26.5	-53.2		42.0	577.7	45.6	10.1	1.000009
81500.0	25.9	-53.1		41.0	577.8	50.1	10.1	1.000009
82000.0	25.3	-53.1		40.0	578.0	54.6	10.1	1.000009
82500.0	24.7	-53.0		39.1	578.1	50.9	9.5	1.000009
83000.0	24.1	-52.9		38.1	578.2	42.0	8.8	1.000008

STATION ALTITUDE 3989.00 FEET MSL
12 APR. 84 0001 HRS MST
ASCENSION NO. 206

UPPER AIR DATA
1030070206
WHITE SANDS
TABLE 6 Con't

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LONG DEG

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE		REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
		AIR DEGR FLS	DEWPOINT CENTIGRADE				DIRECTION DEGREES(TN)	SPEED KNOTS	
83500.0	23.6	-52.5			37.2	578.6	31.0	8.4	1.000008
84000.0	23.0	-52.2			36.3	579.1	13.8	8.6	1.000008
84500.0	22.5	-51.9			35.4	579.5	358.9	9.6	1.000008
85000.0	22.0	-51.6			34.5	579.9	356.8	10.3	1.000008
85500.0	21.5	-51.3			33.7	580.3	2.5	10.7	1.000007
86000.0	21.0	-50.9			32.9	580.7	7.6	11.2	1.000007
86500.0	20.5	-50.6			32.1	581.1	359.0	12.9	1.000007
87000.0	20.0	-50.3			31.3	581.6	352.5	14.8	1.000007
87500.0	19.6	-50.1			30.5	581.9	348.1	16.4	1.000007
88000.0	19.1	-49.8			29.8	582.2	345.0	17.7	1.000007
88500.0	18.7	-49.5			29.1	582.6	342.4	19.0	1.000006
89000.0	18.3	-49.3			28.4	582.9			1.000006
89500.0	17.8	-49.0			27.7	583.2			1.000006
90000.0	17.4	-48.8			27.1	583.6			1.000006
90500.0	17.0	-48.5			26.4	583.9			1.000006
91000.0	16.7	-48.2			25.8	584.3			1.000006

STATION ALTITUDE 3969.00 FEET MSL
12 APR. 54
ASCENSION NO. 206

MANUATORY LEVELS
10300202006
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.17033 LON DEG

TABLE 7

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM. PERCENT	WIND DATA	
MILLIBARS	FEET	AIR DEGREES CENTIGRADE	DEWPOINT CENTIGRADE		DIRECTION DEGREES(TN)	SPEED KNOTS
550.0	4781.	17.2	-8.0	17.	351.8	8.1
500.0	6404.	13.6	-9.6	19.	334.8	15.5
750.0	6233.	9.9	-9.9	24.	303.3	17.1
700.0	10101.	6.2	-9.2	32.	276.2	22.7
650.0	12083.	3.1	-17.4	20.	276.5	26.7
600.0	14190.	-1.9	-20.0	23.	282.1	32.7
550.0	16438.	-7.3	-23.2	27.	281.4	39.0
500.0	16847.	-13.2	-27.0	30.	280.3	42.4
450.0	21455.	-18.2	-34.2	23.	262.6	35.5
400.0	24311.	-23.2	-40.8	18.	258.9	35.6
350.0	27464.	-31.7	-47.5	19.	268.9	32.7
300.0	30059.	-41.4			278.5	36.2
250.0	34934.	-52.3			282.4	37.4
200.0	39543.	-64.1			279.9	34.0
175.0	42192.	-67.7			296.9	40.1
150.0	45279.	-65.8			266.0	42.9
125.0	48887.	-67.8			290.3	51.3
100.0	53301.	-66.0			287.5	61.5
80.0	57817.	-57.8			279.8	19.3
70.0	60543.	-64.1			213.4	8.6
60.0	63571.	-61.2			135.7	5.6
50.0	67395.	-57.9			317.8	11.5
40.0	72003.	-57.4			18.4	5.1
30.0	78019.	-53.7			49.9	13.2
25.0	81870.	-53.0			55.7	10.1
20.0	86616.	-50.3			352.8	14.7

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4010.40 FEET MSL
14 APR. 84
ASCENSION NO. 12

SIGNIFICANT LEVEL DATA
1-30220012
NW 30

GEODETIC COORDINATES
32.86497 LAT DEG
106.49714 LONG DEG

TABLE 8

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE		REL. HUM. PERCENT
		AIR DEGREES	DENPOINT CENTIGRADE	
975.7	4010.4	11.8	-10.4	20.0
970.6	4171.1	13.2	-9.9	19.0
966.5	4371.4	13.9	-10.0	18.0
950.0	4672.0	12.9	-10.1	19.0
790.4	6273.8	9.8	-13.4	18.0
751.1	6207.9	7.5	-14.6	19.0
700.0	13104.2	4.9	-10.8	31.0
666.5	11413.1	2.7	-13.1	30.0
568.6	15561.6	-7.0	-22.4	28.0
500.0	18813.2	-14.4	-24.4	42.0
477.9	19937.2	-15.9	-30.1	28.0
446.9	21590.1	-18.9	-36.7	19.0
400.0	24268.7	-26.0	-42.2	20.0
366.9	26311.4	-29.6	-46.2	18.0
320.2	29449.0	-38.6	-53.0	20.0
300.0	30911.7	-42.1		
250.0	34677.0	-53.2		
200.0	39488.8	-64.7		
180.9	41493.1	-67.8		
169.9	42760.6	-63.8		
150.0	45262.5	-64.5		
137.4	47018.9	-67.2		
125.8	48778.6	-66.0		
116.7	50722.8	-68.3		
112.8	50949.2	-66.0		
100.0	53374.0	-63.6		
92.4	54976.3	-63.2		
87.5	56086.0	-61.7		
75.5	58074.9	-65.4		
70.0	60500.6	-63.7		
67.1	61464.4	-60.4		
61.5	63253.0	-61.5		
56.1	65154.5	-57.0		
50.0	67543.1	-60.4		
43.6	73371.9	-59.1		

UPPER AIR DATA
1030220012
NW 30
TABLE 9

STATION ALTITUDE 4010.40 FEET WSL
12 APR. 84 0230 WRS WST
ASCENSION NO. 12

GEODETIC COORDINATES
32.88497 LAT DEG
106.49714 LON DEG

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
4010.4	875.7	11.6	20.0	1069.3	658.0	0	0	1.000251
4500.0	860.3	13.5	18.4	1044.1	660.0	13.8	2.5	1.000246
5000.0	844.8	12.6	18.9	1028.5	659.0	13.8	5.1	1.000242
5500.0	829.5	11.9	18.7	1012.7	658.1	13.8	7.7	1.000238
6000.0	814.5	11.1	18.4	997.2	657.2	13.8	10.2	1.000234
6500.0	799.8	10.3	18.2	981.9	656.2	11.3	9.0	1.000229
7000.0	785.3	9.5	18.1	966.8	655.3	4.4	6.1	1.000226
7500.0	771.0	8.7	18.5	952.0	654.3	349.2	5.5	1.000222
8000.0	756.9	7.8	18.8	937.4	653.4	336.8	6.7	1.000218
8500.0	743.0	7.1	20.8	922.6	652.5	323.1	11.1	1.000216
9000.0	729.3	6.4	24.0	907.7	651.8	316.8	16.6	1.000213
9500.0	715.9	5.7	27.2	893.1	651.0	304.5	19.4	1.000211
10000.0	702.7	5.0	30.3	878.7	650.2	295.2	22.3	1.000209
10500.0	689.7	4.2	30.7	865.0	649.3	287.7	22.8	1.000205
11000.0	676.9	3.4	30.3	851.6	648.3	281.7	23.6	1.000201
11500.0	664.3	2.5	30.0	838.5	647.2	281.0	24.3	1.000198
12000.0	651.7	1.3	29.7	826.2	645.8	281.9	24.9	1.000194
12500.0	639.3	0.2	29.5	814.0	644.4	285.1	25.5	1.000191
13000.0	627.2	-1.0	29.2	802.1	643.0	287.5	26.7	1.000187
13500.0	615.3	-2.2	29.0	790.3	641.6	289.1	28.7	1.000184
14000.0	603.6	-3.3	28.8	778.7	640.2	288.6	31.1	1.000181
14500.0	592.2	-4.5	28.5	767.4	638.8	286.8	34.0	1.000177
15000.0	581.0	-5.7	28.3	756.1	637.4	283.8	35.6	1.000174
15500.0	569.9	-6.9	28.0	745.1	635.9	280.0	36.5	1.000171
16000.0	558.8	-8.0	29.9	733.7	634.6	276.0	37.2	1.000169
16500.0	547.9	-9.1	34.0	722.4	633.2	274.1	37.8	1.000166
17000.0	537.2	-10.3	34.2	711.4	631.9	274.4	38.3	1.000164
17500.0	526.6	-11.4	36.3	700.5	630.5	275.5	38.9	1.000161
18000.0	516.2	-12.5	38.5	689.8	629.1	279.5	40.7	1.000159
18500.0	506.2	-13.7	40.7	679.2	627.7	281.3	41.9	1.000156
19000.0	496.3	-14.6	39.7	668.4	626.5	280.7	42.1	1.000153
19500.0	486.4	-15.3	33.4	656.8	625.7	278.5	41.1	1.000150
20000.0	476.7	-16.0	27.7	645.5	624.8	275.0	39.5	1.000147
20500.0	467.1	-16.9	24.9	634.9	623.7	273.7	39.5	1.000144
21000.0	457.7	-17.8	22.2	624.4	622.6	273.3	40.0	1.000141
21500.0	448.5	-18.7	19.5	614.0	621.5	273.0	40.1	1.000138
22000.0	439.4	-20.0	19.2	604.5	619.9	274.7	40.0	1.000136
22500.0	430.4	-21.3	19.3	595.2	618.3	275.6	40.0	1.000134
23000.0	421.6	-22.6	19.5	586.1	616.7	276.4	41.8	1.000132
23500.0	412.9	-24.0	19.7	577.2	615.0	276.7	43.0	1.000130

UPPER AIR DATA
1030220012
NW 30

STATION ALTITUDE 4010.40 FEET MSL
12 APR 84 0230 WRS MST
ASCENSION NO. 1c

GEODETIC COORDINATES
32.88497 LAT DEG
106.49714 LONG DEG

TABLE 9 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GRAMS/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES (TN)	SPEED KNOTS	
24010.0	404.5	-25.3	19.9	568.6	613.4	276.9	43.7	1.000178
24510.0	396.1	-26.4	19.8	559.2	612.0	276.9	43.8	1.000175
25010.0	387.8	-27.3	19.3	549.4	610.9	275.6	44.4	1.000123
25510.0	379.7	-28.2	18.8	539.9	609.8	273.5	45.0	1.000121
26000.0	371.8	-29.1	18.3	530.5	608.7	268.7	45.9	1.000119
26510.0	363.9	-30.1	18.1	521.6	607.5	264.3	43.3	1.000117
27010.0	356.1	-31.6	17.4	513.5	605.5	260.4	43.0	1.000115
27510.0	348.5	-33.0	16.8	505.5	603.7	260.2	43.6	1.000113
28000.0	341.0	-34.4	19.1	497.6	601.9	260.9	44.4	1.000111
28510.0	333.7	-35.9	19.4	489.9	600.1	262.0	44.6	1.000109
29010.0	326.5	-37.3	19.7	482.3	598.3	263.3	44.6	1.000108
29510.0	319.5	-38.7	19.3**	474.7	596.5	265.1	44.3	1.000106
30010.0	312.4	-39.9	18.5**	464.7	595.0	267.3	44.1	1.000104
30510.0	305.6	-41.1	5.6**	458.7	593.4	269.7	43.9	1.000102
31000.0	298.8	-42.3		451.0	591.9	271.3	44.6	1.000100
31510.0	292.0	-43.7		443.4	590.1	272.5	45.3	1.000099
32010.0	285.4	-45.1		436.0	588.3	272.9	46.1	1.000097
32510.0	278.9	-46.5		428.7	586.4	273.4	46.6	1.000095
33000.0	272.5	-47.9		421.6	584.6	274.1	46.8	1.000094
33510.0	266.3	-49.3		414.6	582.8	275.4	46.5	1.000092
34010.0	260.5	-50.7		407.7	581.0	276.3	46.4	1.000091
34510.0	254.4	-52.1		401.0	579.2	277.0	46.5	1.000089
35010.0	248.5	-53.5		394.2	577.4	277.6	46.8	1.000088
35510.0	242.6	-54.8		386.9	575.7	276.8	46.7	1.000086
36010.0	236.8	-56.0		379.9	574.1	276.3	46.2	1.000085
36510.0	231.1	-57.2		372.9	572.4	275.5	45.8	1.000083
37010.0	225.6	-58.5		366.1	570.8	274.9	45.4	1.000082
37510.0	220.2	-59.7		359.5	569.1	275.1	45.2	1.000080
38010.0	214.9	-61.0		352.9	567.5	275.5	45.1	1.000079
38510.0	209.6	-62.2		346.5	565.8	276.1	45.2	1.000077
39010.0	204.8	-63.5		340.3	564.1	276.4	45.5	1.000076
39510.0	199.9	-64.7		334.1	562.4	276.8	45.9	1.000074
40000.0	194.9	-65.5		327.0	561.4	277.2	46.3	1.000073
40510.0	190.1	-66.3		320.1	560.4	280.1	46.9	1.000071
41010.0	185.4	-67.0		313.4	559.3	284.0	47.9	1.000070
41510.0	180.6	-67.8		306.7	558.3	289.0	49.3	1.000068
42010.0	176.4	-68.2		299.9	560.4	292.2	49.1	1.000066
42510.0	172.0	-64.6		293.4	562.6	294.6	48.4	1.000064
43010.0	167.8	-63.9		286.3	563.6	293.9	45.8	1.000062
43510.0	163.7	-64.0		279.7	563.4	293.8	44.6	1.000061

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4010.40 FEET MSL
12 APR. 84 0230 HRS MST
ASCENSION NO. 12

UPPER AIR DATA
1030220012
NW 30

GEODETIC COORDINATES
32.88497 LAT DEG
106.49714 LON DEG

TABLE 9 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	WIND DATA		INDEX OF REFRACTION
					DIRECTION DEGREES(TN)	SPEED KNOTS	
4400.0	159.7	-64.1		266.2	286.5	44.6	1.000059
4450.0	155.8	-64.3		259.8	282.7	45.8	1.000058
4500.0	152.0	-64.4		257.6	280.7	47.2	1.000056
4550.0	148.2	-64.9		247.9	280.6	48.4	1.000055
4600.0	144.6	-65.6		242.7	282.3	49.5	1.000054
4650.0	141.0	-66.4		237.6	287.6	50.7	1.000053
4700.0	137.5	-67.2		232.6	291.7	51.4	1.000052
4750.0	134.1	-66.9		225.5	294.9	51.5	1.000050
4800.0	130.8	-66.5		220.5	292.9	49.8	1.000049
4850.0	127.6	-66.2		214.7	290.0	50.2	1.000048
4900.0	124.4	-66.3		209.6	286.5	52.5	1.000047
4950.0	121.3	-67.1		205.1	286.6	56.0	1.000046
5000.0	118.3	-67.9		200.8	287.5	58.6	1.000045
5050.0	115.4	-67.5		195.5	290.1	58.7	1.000044
5100.0	112.5	-65.9		189.2	292.0	58.6	1.000042
5150.0	109.8	-65.5		184.1	293.7	58.9	1.000041
5200.0	107.1	-65.0		179.1	295.3	59.4	1.000040
5250.0	104.4	-64.5		174.3	297.1	57.7	1.000039
5300.0	101.9	-64.0		169.7	298.3	55.3	1.000038
5350.0	99.4	-63.6		165.2	298.6	52.3	1.000037
5400.0	97.0	-63.4		161.1	299.1	48.5	1.000036
5450.0	94.6	-63.3		157.1	299.8	44.2	1.000035
5500.0	92.3	-63.2		153.1	302.8	37.6	1.000034
5550.0	90.1	-62.5		148.9	307.0	30.5	1.000033
5600.0	87.9	-61.8		144.8	313.7	22.7	1.000032
5650.0	85.7	-62.2		141.6	320.3	15.2	1.000032
5700.0	83.0	-62.8		138.5	333.7	8.3	1.000031
5750.0	81.0	-63.5		135.6	327.0	2.6	1.000030
5800.0	79.6	-64.1		132.6	198.3	3.0	1.000030
5850.0	77.7	-64.7		129.8	210.7	8.6	1.000029
5900.0	75.8	-65.3		127.0	217.7	14.4	1.000028
5950.0	73.9	-64.9		124.7	224.0	20.3	1.000028
6000.0	72.1	-64.4		120.3	231.0	23.1	1.000027
6050.0	70.4	-63.8		117.1	241.0	24.5	1.000026
6100.0	68.6	-62.2		113.3	250.5	25.1	1.000025
6150.0	67.0	-60.4		109.7	256.3	24.5	1.000024
6200.0	65.4	-60.7		107.2	260.8	22.3	1.000024
6250.0	63.8	-61.0		104.8	266.5	20.7	1.000023
6300.0	62.3	-61.5		102.4	273.4	20.6	1.000023
6350.0	60.8	-60.7		99.7	278.8	20.4	1.000022

STATION ALTITUDE 4010.40 FEET MSL
 12 APR 84 0230 HRS MST
 ASCENSION NO. 12

UPPER AIR DATA
 1030220012
 4W 30

GEODETIC COORDINATES
 32.88497 LAT DEG
 106.49714 LON DEG

TABLE 9 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
64000.0	59.3	-59.7		96.8	569.1	286.3	19.6	1.000022
64500.0	57.9	-58.5		94.0	570.7	297.7	18.7	1.000021
65000.0	56.5	-57.4		91.2	572.3	314.0	19.0	1.000020
65500.0	55.2	-57.5		89.1	572.1	329.1	19.6	1.000020
66000.0	53.9	-58.2		87.1	571.2	342.9	19.1	1.000019
66500.0	52.6	-58.9		85.5	570.2	358.7	17.6	1.000019
67000.0	51.3	-59.6		83.7	569.3	13.9	14.1	1.000019
67500.0	50.1	-60.3		82.0	568.3	30.8	11.6	1.000018
68000.0	48.9	-60.2		80.0	568.5	48.2	9.8	1.000018
68500.0	47.7	-60.0		78.0	568.8	59.1	9.9	1.000017
69000.0	46.6	-59.7		76.1	569.1	62.9	10.9	1.000017
69500.0	45.5	-59.5		74.2	569.4			1.000017
70000.0	44.4	-59.3		72.3	569.7			1.000016

STATION ALTITUDE 4010.40 FEET MSL
12 APR. 84 0230 MMS MST
ASCENSION NO. 12

MANDATORY LEVELS
1030220012
NW 30

TABLE 10

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM. PERCENT	WIND DATA	
MILLIBARS	FEET	AIR DEGREES CENTIGRADE	DEWPOINT CENTIGRADE		DIRECTION DEGREES(TN)	SPEED KNOTS
850.0	4829.	12.9	-10.1	19.	13.8	4.2
800.0	6490.	10.3	-12.8	18.	11.3	9.1
750.0	8241.	7.4	-14.5	19.	329.5	8.4
700.0	10095.	4.9	-10.8	31.	293.6	22.3
650.0	12065.	1.2	-14.6	30.	282.4	24.9
600.0	14150.	-3.7	-19.7	29.	288.0	32.1
550.0	16791.	-8.9	-22.7	32.	274.6	17.7
500.0	18768.	-14.4	-24.4	42.	281.0	42.0
450.0	21789.	-18.6	-35.9	20.	273.7	40.1
400.0	24230.	-26.0	-42.2	20.	276.9	43.8
350.0	27163.	-32.7	-48.5	19.	260.1	43.5
300.0	30852.	-42.1			271.0	44.4
250.0	34803.	-53.2			277.0	46.7
200.0	39396.	-64.7			276.8	45.9
175.0	42050.	-65.7			293.0	49.0
150.0	45144.	-64.5			279.9	47.8
125.0	48769.	-66.2			267.3	51.9
100.0	53213.	-63.6			298.5	53.2
80.0	57721.	-63.9			184.4	1.8
70.0	60797.	-63.7			243.6	24.7
60.0	63537.	-60.3			261.7	20.2
50.0	67294.	-60.4			31.2	11.5

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4751.00 FEET "SL"
1. APR. 84 0407 HRS "LS"
ASCENSION NO. 36

SIGNIFICANT LEVEL DATA
1730000335
JALLEN

GEODETIC COORDINATES
33.16712 LAT DEG
106.69511 LONG DEG

TABLE II

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE "SL FEET	TEMPERATURE		REL. HUM. PERCENT
		AIR DEGREES	DEWPOINT CENTIGRADE	
874.2	4051.0	12.0	-13.0	15.0
866.6	4350.9	12.8	-11.5	17.0
857.0	4632.9	13.3	-11.2	17.0
845.8	5586.3	12.6	-12.5	16.0
799.7	6496.7	8.5	-15.1	17.0
781.2	7110.5	7.7	-15.8	17.0
769.5	7519.3	9.6	-15.8	16.0
727.3	9045.8	6.7	-15.5	17.0
707.0	10092.2	4.9	-16.7	19.0
671.5	11121.0	2.2	-12.0	14.0
600.2	14142.2	-4.2	-26.2	15.0
590.3	15910.7	-8.4	-20.1	38.0
552.6	16263.3	-9.1	-22.4	33.0
505.2	18273.9	-14.1	-22.7	49.0
500.0	18711.1	-14.8	-23.8	46.0
483.9	19593.7	-16.3	-27.5	37.0
476.6	19990.2	-16.4	-30.2	29.0
461.6	20758.7	-17.9	-22.7	26.0
431.3	22414.8	-22.2	-24.3	32.0
412.5	23481.3	-24.8	-25.0	38.0
400.0	24271.4	-26.3	-	34.0
377.2	25472.6	-29.0	-	26.0
347.2	27949.4	-34.5	-49.0	21.0
322.2	29252.3	-37.5	-52.6	19.0
300.0	30058.2	-42.1		
264.9	33585.1	-49.7		
250.0	34823.6	-53.1		
222.3	37274.2	-59.3		
200.0	39478.5	-63.8		
178.1	41758.3	-68.0		
166.2	47147.2	-62.2		
161.2	47381.3	-51.5		
150.0	47273.0	-43.8		
135.2	47174.3	-45.3		
125.1	47570.5	-66.0		
114.7	50673.2	-65.4		
100.0	51315.0	-65.5		
92.2	54945.5	-65.2		
84.0	51371.6	-63.2		
70.0	50045.3	-65.4		

GEODETIC COORDINATES
33.16712 LAT DEG
106.49511 LONG DEG

SIGNIFICANT LEVEL DATA

103007034
JALLEN

TABLE 11 Con't

STATION ALTITUDE 4051.00 FEET MSL
12 APR. 94 JAGC MMS MST
ASCENSION NO. 36

PRESSURE GEOMETRIC ALTITUDE MILLIBARS MSL FEET	TEMPERATURE		REL. HUM. PERCENT
	AIR DEGREES	DEWPOINT CENTIGRADE	
74.8 59190.7	-62.4		
72.0 60542.2	-62.4		
68.5 61986.0	-60.2		
62.9 6743.7	-59.9		
56.7 6520.7	-61.7		
52.0 64649.5	-60.8		
50.0 67441.5	-57.6		
46.5 6977.3	-57.0		
41.7 7147.2	-58.8		
47.0 7115.1	-56.7		
34.6 7153.0	-56.9		
37.0 7157.3	-54.5		
25.7 8761.7	-55.2		
22.0 8753.3	-50.7		

GEODETIC COORDINATES
33.16712 LAT DEG
106.49511 LON DEG

UPPER AIR DATA
10300036
JALLEN

STATION ALTITUDE 4751.00 FEET MSL
12 APR 64 0600 HRS MST
ASCENSION NO. 76

TABLE 12

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REF. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
							DIRECTION DEGREES (TV)	SPEED KNOTS	
4651.0	674.2	12.0	-13.0	16.0	1067.0	658.2	250.0	7.8	1.000248
4510.0	660.0	13.0	-11.5	17.0	1046.1	659.3	265.3	8.5	1.000215
5000.0	844.6	13.1	-11.5	16.8	1026.5	659.5	278.0	9.8	1.000240
5500.0	829.4	12.7	-11.4	16.1	1009.8	659.0	288.7	11.6	1.000216
6000.0	814.4	10.7	-13.7	16.5	998.4	656.7	295.8	11.6	1.000212
6500.0	799.6	8.5	-15.1	17.0	989.1	654.1	301.4	15.9	1.000229
7000.0	785.0	7.9	-15.6	17.0	972.3	653.4	305.8	19.4	1.000225
7500.0	770.6	8.5	-15.8	16.1	953.3	654.1	310.7	19.8	1.000221
8000.0	756.5	8.0	-16.0	16.3	934.5	653.5	318.4	18.2	1.000217
8500.0	742.6	7.4	-16.3	16.6	921.4	652.8	323.5	17.5	1.000213
9000.0	729.0	6.8	-16.6	17.0	906.5	652.1	317.8	18.5	1.000210
9500.0	715.6	5.9	-16.6	17.9	892.5	651.1	308.4	19.1	1.000207
10000.0	702.4	5.1	-16.7	15.6	878.8	650.1	295.3	19.9	1.000204
10500.0	689.4	3.6	-14.4	24.9	866.1	648.7	282.0	21.7	1.000203
11000.0	676.6	2.5	-12.4	32.2	853.9	647.3	274.5	24.0	1.000202
11500.0	663.8	1.4	-13.6	31.7	841.3	645.9	273.0	25.3	1.000198
12000.0	651.3	.3	-15.7	28.8	829.7	644.6	274.1	25.2	1.000194
12500.0	639.0	-7	-17.9	25.8	814.5	643.3	275.8	24.6	1.000189
13000.0	626.9	-1.8	-20.2	22.8	804.2	642.0	277.1	23.6	1.000185
13500.0	615.1	-2.8	-22.7	19.8	792.2	640.7	278.7	24.8	1.000182
14000.0	603.5	-3.9	-25.4	16.8	780.4	639.4	280.2	24.9	1.000178
14500.0	591.9	-5.0	-24.2	20.5	768.7	638.1	281.3	29.8	1.000176
15000.0	580.5	-5.2	-22.3	26.7	757.3	636.7	282.7	32.6	1.000174
15500.0	569.3	-7.4	-20.9	32.9	745.8	635.3	280.8	33.9	1.000172
16000.0	558.3	-3.5	-20.7	26.7	734.4	633.9	279.0	35.2	1.000170
16500.0	547.4	-2.6	-22.3	34.6	723.2	632.6	280.0	35.7	1.000167
17000.0	536.7	-10.8	-20.3	38.0	712.0	631.3	280.7	38.0	1.000164
17500.0	526.1	-11.9	-22.3	41.4	701.1	629.9	281.8	41.4	1.000162
18000.0	515.6	-13.0	-26.5	44.8	690.3	628.6	282.1	43.3	1.000159
18500.0	505.7	-14.2	-24.8	47.8	679.7	627.2	282.0	44.6	1.000157
19000.0	495.6	-15.4	-24.8	42.6	668.2	625.9	280.9	46.1	1.000154
19500.0	485.7	-16.1	-27.1	26.0	658.0	624.7	279.2	46.1	1.000150
20000.0	476.0	-16.4	-20.3	28.9	646.7	624.3	279.4	45.4	1.000147
20500.0	466.5	-17.4	-11.8	27.0	635.2	623.1	279.4	46.4	1.000144
21000.0	457.1	-15.5	-21.9	26.9	625.1	621.7	280.4	46.6	1.000141
21500.0	447.8	-19.0	-13.3	26.7	615.4	620.2	281.4	46.6	1.000137
22000.0	438.7	-21.1	-13.9	26.5	604.2	618.6	281.0	45.4	1.000137
22500.0	429.8	-22.4	-14.4	22.5	594.2	617.0	282.0	46.0	1.000135
23000.0	420.9	-23.6	-26.6	25.3	587.5	615.5	281.0	45.4	1.000133
23500.0	412.3	-24.5	-20.0	27.2	579.2	614.0	281.4	47.0	1.000131

STATION ALTITUDE 4051.00 FEET MSL
 14 APR. 84 3400 MRS MST
 ASCENSION NO. 36

UPPER AIR DATA
 10300036
 JALLEN
 TABLE 12 Con't

GEODETIC COORDINATES
 33.16712 LAT DEG
 106.49511 LON DEG

GEODETIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	AIR TEMPERATURE DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	SPEED KNOTS	INDEX OF REFRACTION
2400.0	403.7	-25.9	75.2	568.5	612.7	280.4	48.4	1.000128
2450.0	395.3	-26.9	72.2	559.1	611.4	278.8	49.7	1.000126
2500.0	387.1	-28.0	29.0	549.9	610.0	277.0	51.0	1.000124
2550.0	379.0	-29.1	25.9	540.8	608.7	275.8	52.4	1.000121
2600.0	370.9	-30.2	24.9	531.7	607.3	274.8	53.4	1.000119
2650.0	363.0	-31.3	23.9	522.8	605.9	274.1	52.6	1.000117
2700.0	355.3	-32.4	22.9	514.0	604.5	273.0	52.5	1.000115
2750.0	347.7	-33.5	21.9	505.4	603.2	271.4	52.9	1.000113
2800.0	340.3	-34.6	21.0	496.9	601.8	270.1	54.0	1.000111
2850.0	333.0	-35.8	20.2	488.7	600.2	268.8	55.5	1.000109
2900.0	325.8	-37.0	19.4	480.5	598.7	268.5	56.2	1.000107
2950.0	318.7	-38.3	16.1**	472.7	597.0	268.8	56.3	1.000106
3000.0	311.7	-39.7	16.2**	465.1	595.3	269.0	56.0	1.000104
3050.0	304.8	-41.1	4.2**	457.5	593.5	269.2	55.4	1.000102
3100.0	298.1	-42.5		450.2	591.7	269.0	55.0	1.000100
3150.0	291.3	-43.9		442.7	589.9	268.5	54.6	1.000099
3200.0	284.8	-45.3		435.4	588.1	268.1	55.0	1.000097
3250.0	278.3	-46.7		428.2	586.3	268.2	55.8	1.000095
3300.0	272.1	-48.1		421.1	584.5	268.7	55.8	1.000094
3350.0	265.9	-49.5		414.2	582.7	268.6	55.7	1.000092
3400.0	259.8	-50.9		407.1	580.9	269.1	54.7	1.000091
3450.0	253.8	-52.2		400.2	579.1	269.4	53.5	1.000089
3500.0	247.9	-53.6		393.3	577.3	270.4	52.9	1.000088
3550.0	242.0	-54.8		386.2	575.6	271.2	52.3	1.000086
3600.0	236.3	-56.1		379.4	573.9	272.4	52.1	1.000084
3650.0	230.6	-57.4		372.5	572.2	273.5	51.9	1.000083
3700.0	225.3	-58.7		365.7	570.5	274.8	51.8	1.000082
3750.0	219.9	-59.8		359.2	569.0	276.2	52.1	1.000080
3800.0	214.6	-60.9		352.2	567.6	277.7	53.0	1.000078
3850.0	209.4	-61.9		345.3	566.3	279.2	54.2	1.000077
3900.0	204.3	-62.9		338.4	564.9	280.7	55.4	1.000075
3950.0	199.4	-63.9		331.5	563.5	282.2	55.2	1.000074
4000.0	194.5	-64.9		324.2	562.3	283.9	56.7	1.000072
4050.0	189.7	-65.7		317.5	561.1	285.4	57.1	1.000071
4100.0	185.0	-66.9		310.7	559.9	286.9	57.5	1.000069
4150.0	180.4	-67.5		303.7	558.6	287.9	57.4	1.000068
4200.0	176.0	-67.9		297.1	559.4	288.4	57.6	1.000066
4250.0	171.6	-64.9		290.1	562.2	288.7	56.7	1.000064
4300.0	167.4	-62.3		283.1	565.0	288.7	55.3	1.000062
4350.0	163.3	-61.8		276.1	566.4	287.9	58.9	1.000060

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4751.00 FEET MSL
12 APR 64 0607 HRS MST
RECONNOISSANCE NO. 70

UPPER AIR DATA
1030J0035
JALLFH

GEODETIC COORDINATES
37.15712 LAT DEG
104.49511 LON DEG

TABLE 12 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GRAMS PER CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES (TN)	SPEED KNOTS	
4400.0	159.4	-62.1		263.0	566.0	287.1	62.4	1.000059
4450.0	155.5	-62.8		257.5	565.1	286.4	67.4	1.000057
4500.0	151.7	-63.5		252.1	564.1	286.5	69.2	1.000056
4550.0	148.0	-64.1		246.6	563.3	287.6	67.7	1.000055
4600.0	144.4	-64.6		241.2	562.6	290.0	64.4	1.000054
4650.0	140.8	-65.1		235.8	561.9	293.2	60.3	1.000053
4700.0	137.4	-65.6		230.6	561.2	295.3	57.4	1.000051
4750.0	134.0	-65.8		225.2	560.9	297.2	54.8	1.000050
4800.0	130.7	-65.9		219.7	560.8	295.8	53.4	1.000049
4850.0	127.5	-66.0		214.3	560.8	294.4	52.5	1.000048
4900.0	124.3	-66.2		209.1	560.5	293.1	53.7	1.000047
4950.0	121.2	-66.9		204.7	559.5	292.2	55.1	1.000046
5000.0	118.2	-67.6		200.3	558.6	292.2	56.3	1.000045
5050.0	115.3	-68.3		196.0	557.6	293.8	57.5	1.000044
5100.0	112.4	-69.0		190.9	558.0	295.0	57.6	1.000043
5150.0	109.7	-69.5		185.7	558.7	296.7	57.8	1.000041
5200.0	106.9	-69.0		180.7	559.4	297.6	55.5	1.000040
5250.0	104.3	-66.5		175.8	560.1	299.1	53.1	1.000039
5300.0	101.7	-65.9		171.0	560.8	300.0	47.5	1.000038
5350.0	99.2	-65.6		166.4	561.3	301.1	41.8	1.000037
5400.0	96.7	-65.4		162.2	561.5	300.5	36.8	1.000036
5450.0	94.4	-65.3		158.2	561.6	299.7	31.8	1.000035
5500.0	92.0	-65.2		154.2	561.9	300.7	29.2	1.000034
5550.0	89.8	-64.4		149.9	562.8	301.9	26.6	1.000033
5600.0	87.6	-63.7		145.7	563.8	302.6	21.5	1.000032
5650.0	85.5	-63.4		141.9	564.3	302.8	16.4	1.000032
5700.0	83.4	-64.0		138.9	563.4	283.4	10.7	1.000031
5750.0	81.3	-64.6		135.9	562.5	242.4	8.3	1.000030
5800.0	79.3	-65.3		133.0	561.7	231.7	12.5	1.000030
5850.0	77.4	-64.3		129.1	563.0	227.1	15.8	1.000029
5900.0	75.5	-62.9		125.1	564.9	234.9	17.8	1.000028
5950.0	73.7	-62.4		121.8	565.5	241.5	18.9	1.000027
6000.0	71.9	-62.4		118.8	565.6	249.1	15.3	1.000026
6050.0	70.1	-62.1		115.9	565.6	259.1	16.0	1.000026
6100.0	68.5	-60.2		112.0	568.5	269.5	11.7	1.000025
6150.0	66.9	-60.1		109.3	568.6	234.0	9.9	1.000024
6200.0	65.2	-60.0		104.6	568.7	293.7	9.3	1.000024
6250.0	63.6	-59.9		104.7	568.9	307.1	7.1	1.000023
6300.0	62.1	-60.1		101.6	568.6	324.2	6.2	1.000023
6350.0	60.6	-60.5		99.3	568.1	345.8	6.0	1.000022

STATION ALTITUDE 4051.00 FEET MSL
12 APR. R. 0400 HRS MDT
ASCENSION NO. 16

UPPER AIR DATA
1030030335
JALLEN

GEODETIC COORDINATES
33.16712 LAT DEG
106.49511 LON DEG

TABLE 12 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DWPPOINT CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
							DIRECTION DEGREES(TN)	SPEED KNOTS	
51200.0	59.2	-50.9			97.1	567.6	4.7	5.9	1.000072
54500.0	57.7	-61.3			95.0	567.1	18.7	8.4	1.000071
65000.0	56.4	-61.7			92.8	566.5	21.4	9.3	1.000071
65500.0	55.0	-61.4			90.5	565.9	27.7	10.3	1.000070
65000.0	53.7	-61.2			88.2	567.2	27.9	17.1	1.000070
66500.0	52.4	-60.9			86.1	567.6	28.7	10.0	1.000019
67000.0	51.1	-59.4			83.3	569.5	28.5	9.8	1.000019
67500.0	49.9	-57.6			80.7	572.0	29.2	9.6	1.000018
68000.0	48.7	-57.4			78.7	572.2	29.4	9.5	1.000018
69500.0	47.6	-57.2			76.7	572.5	29.2	9.4	1.000017
69000.0	46.4	-57.0			74.9	572.7	28.6	9.4	1.000017
69500.0	45.3	-57.4			73.2	572.2	27.6	9.2	1.000016
70000.0	44.3	-57.8			71.5	571.7	28.1	9.2	1.000016
70500.0	43.2	-58.2			70.1	571.2	35.0	9.7	1.000016
71000.0	42.2	-58.6			69.5	570.6	41.2	10.4	1.000015
71500.0	41.2	-59.2			66.9	572.8	50.2	11.9	1.000015
72000.0	40.2	-59.0			64.8	572.8	57.1	13.6	1.000014
72500.0	39.3	-55.7			63.2	573.1	57.8	14.0	1.000014
73000.0	38.3	-55.2			61.7	573.1	56.1	13.8	1.000014
73500.0	37.4	-56.8			60.3	573.0	55.8	13.9	1.000013
74000.0	36.5	-55.8			58.9	573.0	57.6	14.4	1.000013
74500.0	35.7	-56.9			57.5	573.0	59.3	15.0	1.000013
75000.0	34.9	-55.9			56.1	572.9	62.7	15.8	1.000013
75500.0	34.0	-55.6			54.8	573.3	64.8	16.7	1.000012
76000.0	33.2	-56.2			53.4	573.9	62.0	15.8	1.000012
76500.0	32.5	-55.8			52.0	574.3	58.8	14.3	1.000012
77000.0	31.7	-55.4			50.7	574.8	55.5	13.5	1.000011
77500.0	31.0	-55.3			49.4	575.4	54.7	13.5	1.000011
78000.0	30.2	-54.6			48.2	575.9	52.9	13.4	1.000011
78500.0	29.5	-54.6			47.1	575.9	44.0	11.9	1.000010
79000.0	28.8	-54.7			46.0	575.7	34.9	10.8	1.000010
79500.0	28.2	-54.9			44.9	575.5		10.8	1.000010
80000.0	27.5	-55.0			43.9	575.4	324.2	18.6	1.000010
80500.0	26.9	-55.1			42.9	575.2	311.4	29.1	1.000010
81000.0	26.2	-54.8			41.8	575.7	313.5	30.5	1.000009
81500.0	25.6	-54.2			40.8	575.4	317.0	30.2	1.000009
82000.0	25.0	-53.7			39.7	577.1	323.2	28.3	1.000009
82500.0	24.5	-53.6			38.7	577.8	332.0	21.5	1.000009
83000.0	23.9	-52.6			37.7	578.5	4.7	17.6	1.000008
83500.0	23.3	-52.1			36.8	579.3			1.000008

STATION ALTITUDE 4051.00 FEET MSL
 12 APR. 64 0400 HRS MST
 ASCENSION NO. 36

UPPER AIR DATA
 10300*0036
 JALLEN

GEODETIC COORDINATES
 37.16712 LAT DEG
 106.49511 LONG DEG

TABLE 12 Con't

GEOMETRIC ALTITUDE	PRESSURE	TEMPERATURE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TV)	INDEX OF REFRACTION
8400.0	22.8	-51.5		35.8	580.0		1.000008
8450.0	22.3	-51.0		34.9	580.7		1.000008

STATION ALTITUDE 4751.00 FEET MSL
12 APR. 64
ASCENSION NO. 36

MANDATORY LEVELS

1030070736
JALLEN

TABLE 13

GEODETIC COORDINATES
33.16712 LAT DEG
106.49511 LON DEG

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM.	WIND DATA	
MILLIBARS	FEET	AIR DEGREES CENTIGRADE	WET-POINT CENTIGRADE		DIRECTION DEGREES(TN)	SPEED KNOTS
850.0	4821.	13.3	-11.7	17.	274.5	9.3
800.0	6432.	8.5	-15.1	17.	301.3	15.8
750.0	8229.	7.7	-16.1	16.	322.0	17.5
700.0	10087.	4.9	-16.7	19.	293.1	20.2
650.0	12049.	.2	-15.9	28.	274.3	25.1
600.0	14135.	-4.2	-26.1	16.	280.6	27.7
550.0	16753.	-9.4	-22.3	34.	280.0	36.3
500.0	18754.	-14.4	-23.8	46.	281.4	44.3
450.0	21352.	-19.5	-33.2	28.	281.5	47.0
400.0	24163.	-26.3	-37.4	34.	279.9	49.0
350.0	27307.	-33.1	-47.4	22.	272.0	52.8
300.0	30799.	-42.1			269.2	55.1
250.0	34757.	-53.1			270.0	53.1
200.0	39347.	-63.8			282.0	56.1
175.0	42004.	-66.5			288.6	57.4
150.0	45115.	-63.8			287.0	68.6
125.0	48757.	-65.0			293.4	53.4
100.0	53174.	-65.6			300.6	43.9
90.0	57648.	-65.1			334.9	10.8
70.0	60341.	-62.4			250.3	13.9
50.0	63494.	-60.7			353.5	6.3
50.0	67215.	-57.4			29.1	9.6
40.0	71835.	-55.7			58.1	13.9
30.0	77822.	-54.5			51.1	13.0
25.0	81452.	-53.7			322.7	28.6

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 5989.00 FEET MSL
14 APR. 84
USCARS WRS WST
ASCENSION NO. 207

SIGNIFICANT LEVEL DATA

1020070207
WHITE SANDS

TABLE 14

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE FEET	TEMPERATURE		REL. HUM. PERCENT
		AIR DEGREES	DEW POINT CENTIGRADE	
577.5	3999.0	12.7	-10.3	19.0
569.7	4246.2	12.2	-10.7	19.0
559.0	4394.2	12.2	-10.7	19.3
738.5	6929.8	10.7	-11.9	19.0
729.7	5941.0	6.6	-13.6	22.0
700.0	13162.5	4.3	-9.4	30.0
609.2	11170.9	2.1	-17.7	21.0
605.5	11300.5	1.5	-16.3	25.0
541.1	14241.0	-9.7	-23.6	31.0
515.9	17064.2	-13.0	-21.9	47.0
500.0	18246.3	-14.9	-23.7	47.0
444.9	21722.3	-20.1	-13.5	29.0
400.0	24872.2	-26.1	-40.2	73.0
377.9	26902.4	-32.3	-45.6	25.0
343.9	27325.4	-34.1	-47.5	24.0
313.8	29914.6	-39.1	-52.6	22.0
300.0	30922.9	-42.2		
250.0	34895.3	-52.3		
228.4	36799.8	-57.1		
200.0	39534.1	-62.4		
192.0	40360.5	-64.4		
157.2	41167.5	-61.4		
150.1	43378.7	-63.0		
115.9	50544.0	-67.0		
108.7	51647.9	-64.9		
100.0	53523.1	-65.5		
56.8	56352.0	-67.7		
70.0	67204.6	-60.1		
56.8	65032.2	-53.0		
52.1	66023.5	-54.6		
50.0	67676.5	-58.2		
47.6	67794.5	-56.3		
40.4	72147.2	-56.0		
30.0	79456.7	-52.5		
27.6	81216.7	-53.6		
24.1	87141.3	-50.6		
21.5	88071.7	-51.0		
20.0	87156.7	-49.3		
16.6	92171.3	-43.6		
10.0	103551.1	-42.7		

GEODETIC COORDINATES
32.40043 LAT DEG
106.57037 LON DEG

UPPER AIR DATA
1030020207
WHITE SANDS

STATION ALTITUDE 3969.00 FEET MSL
14 APR. 84 0545 HRS MST
ASCENSION NO. 207

TABLE 15

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES C	TEMPERATURE DEWPOINT C	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	SPEED KNOTS	INDEX OF REFRACTION
2940.0	877.5	12.7	-10.3	19.0	1068.1	659.1	30.0	9.9	1.000251
2950.0	877.1	12.7	-10.3	19.0	1067.8	659.0	29.0	9.9	1.000251
2960.0	861.5	12.2	-10.7	19.0	1050.3	658.5	24.0	11.3	1.000247
2970.0	843.3	12.1	-10.6	19.0	1031.7	658.4	20.0	12.6	1.000242
2980.0	830.5	11.7	-11.1	19.0	1014.4	657.9	17.0	14.3	1.000238
2990.0	815.5	11.4	-11.4	19.0	997.3	657.5	15.3	12.4	1.000234
3000.0	800.8	11.0	-11.7	19.0	980.5	657.1	10.0	7.0	1.000230
3010.0	786.3	10.6	-12.0	19.1	964.3	656.6	358.9	5.4	1.000226
3020.0	771.9	9.0	-12.3	19.8	950.0	655.5	344.1	5.3	1.000225
3030.0	757.6	8.6	-12.7	20.5	935.6	654.3	335.0	9.0	1.000219
3040.0	744.0	7.7	-13.1	21.2	921.2	653.2	324.3	10.0	1.000216
3050.0	730.6	6.7	-13.5	21.9	906.7	652.1	308.4	11.0	1.000215
3060.0	717.3	5.5	-13.8	22.8	891.7	650.9	296.1	14.0	1.000212
3070.0	703.7	4.5	-14.2	24.2	876.3	649.8	287.0	18.0	1.000211
3080.0	690.7	3.6	-14.7	26.1	860.1	648.6	283.3	21.3	1.000206
3090.0	677.8	2.7	-15.3	28.0	855.1	647.4	279.0	23.9	1.000200
3100.0	665.0	1.9	-16.0	30.3	841.7	646.4	275.0	24.1	1.000195
3110.0	652.7	1.3	-16.5	32.1	827.8	645.7	274.5	23.5	1.000193
3120.0	640.2	1.1	-17.2	34.5	815.3	644.3	274.8	21.6	1.000190
3130.0	628.0	-1.0	-17.9	36.5	803.1	643.0	261.1	21.0	1.000187
3140.0	616.0	-2.1	-18.6	38.9	791.1	641.6	235.0	21.0	1.000183
3150.0	604.2	-3.2	-19.3	41.5	779.2	640.3	284.3	22.5	1.000180
3160.0	592.7	-4.4	-20.0	44.1	767.6	638.9	282.8	24.1	1.000176
3170.0	581.4	-5.5	-20.8	46.8	756.1	637.6	280.4	26.3	1.000175
3180.0	570.3	-6.6	-21.5	49.4	744.3	636.2	278.0	28.5	1.000172
3190.0	559.4	-7.7	-22.3	52.0	733.7	634.9	278.5	30.5	1.000169
3200.0	548.7	-8.9	-23.0	54.6	723.8	633.5	278.6	32.1	1.000165
3210.0	538.1	-10.1	-23.8	57.5	712.1	632.1	279.0	33.1	1.000164
3220.0	527.6	-11.5	-24.5	60.5	701.8	630.4	279.0	33.9	1.000162
3230.0	517.2	-12.9	-25.3	63.1	691.6	628.8	278.5	34.4	1.000160
3240.0	507.0	-14.1	-26.1	65.8	681.2	627.3	279.9	35.0	1.000157
3250.0	496.9	-15.4	-26.9	68.5	670.6	625.9	282.1	35.9	1.000154
3260.0	486.9	-16.1	-27.4	71.2	659.5	624.8	285.5	36.0	1.000151
3270.0	477.1	-17.0	-28.1	74.0	648.5	623.7	289.4	35.8	1.000148
3280.0	467.5	-17.9	-28.9	76.8	637.8	622.6	280.4	36.1	1.000145
3290.0	458.4	-19.0	-29.6	79.6	627.2	621.4	288.7	36.5	1.000142
3300.0	448.9	-19.7	-30.4	82.4	616.9	620.3	286.8	35.3	1.000140
3310.0	439.5	-20.7	-31.2	85.2	606.9	619.0	285.0	34.2	1.000137
3320.0	430.8	-21.9	-32.5	88.0	597.2	617.6	284.4	35.0	1.000135
3330.0	421.9	-23.1	-33.8	90.8	587.7	616.1	284.1	36.7	1.000132

UPPER AIR DATA

STATION ALTITUDE 3949.00 FEET MSL
14 APR 68
ASCENSION NO. 207

GEODETIC COORDINATES
32.40043 LAT DEG
136.37033 LON DEG

1050020207
WHITE SANDS

TABLE 15 Con't

GLOMETRIC ALTITUDE MSL F ET	PRESSURE	TEMPERATURE AIR DEGREES	REL HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
235.00.0	413.3	-24.3	26.2	578.3	614.7	284.5	40.2	1.000130
240.00.0	404.8	-25.4	25.4	569.1	613.2	284.2	41.9	1.000128
24500.0	396.4	-26.5	25.0	560.0	611.8	283.0	41.5	1.000126
25000.0	388.1	-27.6	25.0	550.9	610.3	281.7	39.8	1.000124
25500.0	379.9	-29.0	25.0	541.9	608.8	278.6	37.4	1.000122
26000.0	371.9	-30.2	25.0	533.1	607.3	276.7	37.1	1.000120
26500.0	364.1	-31.3	25.0	524.5	605.8	275.5	37.5	1.000118
27000.0	356.4	-32.5	24.9	515.8	604.4	275.5	38.7	1.000116
27500.0	348.8	-33.5	24.4	506.9	603.2	273.5	39.5	1.000113
28000.0	341.3	-34.5	23.8	498.2	601.8	270.4	40.1	1.000111
28500.0	333.9	-35.7	23.4	489.8	600.3	269.3	40.9	1.000110
29000.0	326.6	-36.9	22.9	481.5	598.8	268.0	41.6	1.000108
29500.0	319.6	-38.1	22.4	473.6	597.3	271.3	41.3	1.000106
30000.0	312.6	-39.4	20.1**	465.8	595.7	273.0	41.1	1.000104
30500.0	305.7	-40.9	9.2**	458.5	593.7	273.3	41.2	1.000102
31000.0	298.9	-42.4		451.5	591.8	273.6	40.8	1.000101
31500.0	292.2	-43.7		443.5	590.2	273.9	39.9	1.000099
32000.0	285.5	-44.9		435.9	588.5	274.5	39.8	1.000097
32500.0	279.1	-46.2		428.4	586.9	275.2	40.4	1.000095
33000.0	272.7	-47.5		421.0	585.2	275.3	41.6	1.000094
33500.0	266.5	-48.8		413.8	583.6	275.2	41.1	1.000092
34000.0	260.5	-50.0		406.7	581.9	275.0	44.0	1.000091
34500.0	254.6	-51.3		399.7	580.3	274.7	44.7	1.000089
35000.0	248.8	-52.6		392.9	578.6	274.5	45.6	1.000087
35500.0	242.9	-53.8		385.9	577.0	274.3	45.5	1.000086
36000.0	237.0	-55.1		379.0	575.3	274.0	46.8	1.000084
36500.0	231.7	-56.3		372.3	573.6	273.5	46.9	1.000083
37000.0	226.2	-57.2		365.4	572.1	273.2	46.6	1.000081
37500.0	220.8	-58.5		358.2	570.8	272.7	46.0	1.000080
38000.0	215.5	-59.4		351.2	569.5	272.2	45.7	1.000078
38500.0	210.2	-60.4		344.0	568.2	271.7	45.5	1.000077
39000.0	205.3	-61.4		337.5	566.9	272.4	45.3	1.000075
39500.0	200.3	-62.3		331.0	565.6	271.6	45.0	1.000074
40000.0	195.4	-63.2		324.8	564.0	271.0	45.0	1.000072
40500.0	190.7	-64.0		318.0	563.1	270.5	45.5	1.000071
41000.0	186.0	-64.7		309.5	563.6	270.2	47.0	1.000069
41500.0	181.5	-65.4		301.2	564.5	270.5	48.0	1.000067
42000.0	177.1	-66.6		291.1	565.2	270.4	47.4	1.000065
42500.0	172.9	-67.1		285.2	565.9	270.2	46.5	1.000064
43000.0	168.6	-67.6		277.5	566.7	270.5	45.4	1.000062

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

UPPER AIR DATA
103020Z07
WHITE SANDS

STATION ALTITUDE 3089.00 FEET ASL
12 APR. 82
ASCESSION NO. 107

GEODETIC COORDINATES
32.43043 LAT DEG
106.37033 LON DEG

TABLE 15 Con't

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES (TR)	SPEED KNOTS	INDEX OF REFRACTION
435.00.0	18.5	-61.0		270.9	566.6	284.5	45.1	1.000049
440.00.0	18.5	-62.0		264.8	566.1	283.8	45.3	1.000049
445.00.0	18.6	-62.4		258.8	565.6	286.4	43.8	1.000049
450.00.0	18.6	-62.7		253.0	565.1	288.9	53.3	1.000056
455.00.0	18.1	-63.1		247.3	564.6	292.5	52.5	1.000055
460.00.0	18.4	-63.5		241.6	564.1	296.4	51.1	1.000054
465.00.0	18.9	-63.9		236.1	563.6	300.9	45.8	1.000053
470.00.0	18.4	-64.3		230.8	563.1	305.4	41.8	1.000051
475.00.0	18.0	-64.6		225.5	562.6	305.7	41.7	1.000050
480.00.0	17.7	-65.0		220.4	562.0	305.3	41.6	1.000049
485.00.0	17.4	-65.4		215.4	561.5	303.7	41.4	1.000048
490.00.0	17.3	-65.8		210.5	561.0	302.6	41.2	1.000047
495.00.0	17.2	-66.2		205.7	560.5	302.4	40.8	1.000046
500.00.0	17.2	-66.6		201.0	559.9	302.3	40.1	1.000045
505.00.0	17.3	-67.0		196.4	559.4	302.5	38.1	1.000044
510.00.0	17.4	-66.5		191.0	560.3	302.7	35.9	1.000043
515.00.0	17.6	-65.5		185.5	561.4	302.3	32.7	1.000041
520.00.0	17.9	-64.9		180.5	562.1	301.0	29.7	1.000040
525.00.0	18.2	-65.1		176.2	562.0	301.0	27.6	1.000039
530.00.0	18.6	-65.2		171.9	561.8	300.3	25.9	1.000038
535.00.0	19.1	-65.3		167.8	561.7	301.0	25.2	1.000037
540.00.0	19.7	-65.7		164.0	561.1	301.5	25.0	1.000037
545.00.0	20.2	-66.1		160.3	560.5	301.4	25.6	1.000036
550.00.0	20.9	-66.5		156.6	560.0	301.5	26.1	1.000035
555.00.0	21.6	-67.0		153.1	559.4	300.9	26.6	1.000034
560.00.0	22.3	-67.4		149.6	558.8	300.4	26.9	1.000033
565.00.0	23.0	-67.4		145.9	558.2	300.3	26.3	1.000032
570.00.0	23.7	-66.8		141.8	559.9	301.2	25.6	1.000032
575.00.0	24.4	-65.7		137.7	561.1	295.2	24.2	1.000031
580.00.0	25.1	-64.6		133.8	562.3	286.3	23.1	1.000030
585.00.0	25.8	-64.0		130.0	563.5	277.1	23.6	1.000029
590.00.0	26.5	-63.1		126.3	564.7	267.9	25.9	1.000028
595.00.0	27.2	-62.2		122.7	565.8	261.7	28.7	1.000027
600.00.0	27.9	-61.0		119.2	567.0	262.2	31.5	1.000027
605.00.0	28.6	-60.0		115.8	568.2	262.7	34.3	1.000026
610.00.0	29.3	-60.0		112.8	568.8	270.5	28.1	1.000025
615.00.0	30.0	-59.7		109.9	569.2	287.8	22.2	1.000024
620.00.0	30.7	-59.5		107.2	569.5	296.8	18.0	1.000024
625.00.0	31.4	-59.0		104.5	569.8	316.7	15.3	1.000023
630.00.0	32.1	-59.0		101.9	570.1	330.0	14.1	1.000023

GEODETIC COORDINATES:
32.40943 LAT DEG
106.37033 LONG DEG

UTTER AIR DATA
103000207
WHITE SANDS

STATION ALTITUDE 3989.00 FEET MSL
1.000000
USE WAS NOT
COMMISSION NO. 207

TABLE 15 Con't

GEODETIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES (TN)	SPEED KNOTS	
6120.0	61.4	-52.7	99.4	570.4	324.0	13.7	1.000072	
6400.0	59.7	-56.5	94.9	570.8	317.0	13.3	1.000072	
6450.0	58.3	-56.5	94.5	571.1	324.4	12.4	1.000071	
6500.0	56.9	-56.0	92.1	571.4	332.2	11.6	1.000071	
6550.0	55.5	-58.4	90.1	570.0	330.7	10.0	1.000070	
6600.0	54.0	-59.9	88.1	570.2	340.9	9.2	1.000070	
6650.0	52.9	-59.3	86.2	569.7	345.9	7.3	1.000071	
6700.0	51.7	-59.3	84.2	569.7	350.9	-9.1	1.000071	
6750.0	50.4	-58.5	81.8	570.8	359.1	11.5	1.000071	
6800.0	49.2	-57.6	79.5	572.0	366.6	11.1	1.000071	
6850.0	48.1	-56.7	77.4	573.2	373.8	10.7	1.000071	
6900.0	46.9	-56.3	75.4	573.7	40.4	8.0	1.000071	
6950.0	45.8	-56.2	73.6	573.8	20.9	7.8	1.000071	
7000.0	44.3	-56.2	71.0	573.8	4.4	7.6	1.000071	
7050.0	43.7	-56.1	70.2	573.9	5.4	7.5	1.000071	
7100.0	42.7	-56.1	68.5	574.0	6.2	7.3	1.000071	
7150.0	41.7	-56.1	66.9	574.0	2.5	7.4	1.000071	
7200.0	40.7	-56.0	65.3	574.1	357.7	7.5	1.000071	
7250.0	39.7	-55.0	63.7	574.3	354.3	7.6	1.000071	
7300.0	38.8	-55.5	62.1	574.7	354.3	7.6	1.000071	
7350.0	37.9	-55.3	60.6	575.1	354.3	7.6	1.000071	
7400.0	37.0	-55.0	59.1	575.4	17.8	7.9	1.000071	
7450.0	36.2	-54.7	57.7	575.6	43.6	10.3	1.000071	
7500.0	35.3	-54.4	56.2	576.2	56.3	13.4	1.000071	
7550.0	34.5	-54.1	54.9	576.5	53.3	13.2	1.000071	
7600.0	33.7	-53.9	53.5	576.9	50.2	13.1	1.000071	
7650.0	32.9	-53.6	52.2	577.3	45.3	12.4	1.000071	
7700.0	32.1	-53.3	50.9	577.6	33.4	10.5	1.000071	
7750.0	31.4	-53.0	49.7	578.0	17.2	9.2	1.000071	
7800.0	30.7	-52.8	48.5	578.4	11.0	8.7	1.000071	
7850.0	29.9	-52.5	47.3	578.7	27.7	8.8	1.000071	
7900.0	29.2	-52.5	46.2	578.3	42.1	9.5	1.000071	
7950.0	28.6	-53.1	45.2	577.8	49.6	10.1	1.000071	
8000.0	27.9	-53.3	44.3	577.4	52.9	10.4	1.000071	
8050.0	27.3	-53.3	43.2	577.6	54.5	10.6	1.000071	
8100.0	26.6	-52.3	42.1	578.3	44.2	9.4	1.000071	
8150.0	26.0	-52.3	41.0	579.0	20.9	8.3	1.000071	
8200.0	25.4	-51.6	40.0	579.6	354.4	8.8	1.000071	
8250.0	24.8	-51.3	39.0	580.3	340.0	10.5	1.000071	
8300.0	24.3	-50.7	38.0	581.0	331.6	12.6	1.000071	

UPPER AIR DATA
1030Z20207
WHITE SANDS

STATION ALTITUDE 5069.00 FEET MSL
12 APR 68
ASCENSION NO. 207

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 15 Con't

GLOMERIC ALTITUDE MSL F FT	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REL-HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA		INDEX OF REFRACTION
						DIRECTION DEGREES(TN)	SPEED KNOTS	
8550.0	25.7	-50.7	37.1	581.1	14.8	325.7	14.8	1.000008
8400.0	25.2	-50.7	36.3	581.0	14.8	330.4	14.8	1.000008
8450.0	24.6	-50.8	35.5	580.9	14.6	339.0	14.6	1.000008
8500.0	24.1	-50.9	34.7	580.8	14.6	346.0	14.6	1.000008
8550.0	21.5	-51.0	33.9	580.7	15.6	354.6	15.6	1.000008
8600.0	21.1	-50.3	33.0	581.6	17.1	1.6	17.1	1.000007
8650.0	20.6	-49.5	32.1	582.7	18.9	7.7	18.9	1.000007
8700.0	20.2	-48.0	31.3	583.8	19.9	10.6	19.9	1.000007
8750.0	19.7	-48.1	30.5	584.5	20.4	11.8	20.4	1.000007
8800.0	19.3	-47.7	29.8	584.9	20.9	12.0	20.9	1.000007
8850.0	18.8	-47.4	29.1	585.3	21.2	14.9	21.2	1.000006
8900.0	18.4	-47.1	28.4	585.8	21.1	20.1	21.1	1.000006
8950.0	18.0	-46.7	27.7	586.2	21.1	25.4	21.1	1.000006
9000.0	17.6	-46.4	27.0	586.7	21.3	30.6	21.3	1.000006
9050.0	17.2	-46.0	26.4	587.1	21.7	28.7	21.7	1.000006
9100.0	16.8	-45.7	25.7	587.5	22.2	26.1	22.2	1.000006
9150.0	16.4	-45.4	25.1	588.0	22.7	23.5	22.7	1.000006
9200.0	16.1	-45.0	24.5	588.4	22.7	17.4	22.7	1.000005
9250.0	15.7	-44.6	23.9	588.8	23.7	157.1	23.7	1.000005
9300.0	15.3	-44.3	23.4	589.3	26.4	363.1	26.4	1.000005
9350.0	15.0	-44.0	22.8	589.7	29.1	346.1	29.1	1.000005
9400.0	14.7	-43.7	22.3	590.2	26.8	334.2	26.8	1.000005
9450.0	14.3	-43.6	21.3	590.3	24.4	334.3	24.4	1.000005
9500.0	14.0	-43.5	21.3	590.4	22.1	334.4	22.1	1.000005
9550.0	13.7	-43.5	20.9	590.4	20.8	328.0	20.8	1.000005
9600.0	13.4	-43.4	20.3	590.5	20.1	321.7	20.1	1.000005
9650.0	13.1	-43.3	19.9	590.6	19.7	314.0	19.7	1.000004
9700.0	12.8	-43.3	19.4	590.6	19.3	309.0	19.3	1.000004
9750.0	12.5	-43.2	19.0	590.7	18.5	310.7	18.5	1.000004
9800.0	12.3	-43.2	18.5	590.8	17.7	311.6	17.7	1.000004
9850.0	12.0	-43.1	18.2	590.8	17.1	312.1	17.1	1.000004
9900.0	11.7	-43.1	17.8	590.9	20.5	306.6	20.5	1.000004
9950.0	11.5	-43.0	17.4	591.0	24.2	294.9	24.2	1.000004
10000.0	11.2	-43.0	17.0	591.1	28.0	294.9	28.0	1.000004
10050.0	11.0	-42.9	16.5	591.1				1.000004
10100.0	10.7	-42.9	16.0	591.2				1.000004
10150.0	10.5	-42.3	15.9	591.3				1.000004
10200.0	10.4	-42.0	15.5	591.3				1.000003
10250.0	10.0	-42.7	15.2	591.4				1.000003

STATION ALTITUDE 3959.00 FEET ASL
 1. APR. 54
 ASCENSION NO. 207

MANDATORY LEVELS
 1030000207
 WHITE SANDS

GEOPETIC COORDINATES
 32.40043 LAT DEG
 106.37033 LON DEG

TABLE 16

PRESSURE GEOPOTENTIAL		TEMPERATURE		REL. HUM.		WIND DATA	
MILLIBARS	FEET	AIR DEGREES CENTIGRADE	DEWPOINT CENTIGRADE	PERCENT	DIRECTION DEGREES(TM)	SPEED KNOTS	
853.0	4061.	12.2	-10.7	19.	21.9	12.4	
807.0	6522.	11.0	-11.7	19.	10.3	6.8	
753.0	8279.	8.1	-12.0	21.	332.9	9.5	
703.0	10133.	4.3	-9.4	36.	286.4	16.9	
657.0	12099.	1.0	-15.6	25.	274.9	23.1	
600.0	14191.	-3.7	-19.6	28.	287.9	23.1	
553.0	16425.	-8.7	-22.7	30.	278.6	32.0	
500.0	18520.	-14.9	-23.7	47.	281.4	35.6	
457.0	21412.	-19.6	-32.4	31.	287.1	35.4	
400.0	24247.	-26.1	-40.2	25.	263.5	41.7	
350.0	27270.	-33.3	-46.7	24.	274.1	39.4	
300.0	30862.	-42.2			273.5	40.9	
250.0	34520.	-52.3			274.6	45.4	
200.0	39440.	-62.4			273.4	45.0	
175.0	42151.	-62.4			288.9	47.1	
150.0	45258.	-63.0			291.4	52.8	
125.0	48915.	-65.8			302.6	41.1	
100.0	53361.	-65.3			301.0	25.2	
80.0	57795.	-64.3			287.6	23.2	
70.0	60498.	-60.1			264.7	32.6	
60.0	63566.	-58.6			319.5	13.4	
50.0	67424.	-58.2			58.4	11.4	
40.0	72072.	-55.9			354.8	7.6	
30.0	76125.	-52.5			25.1	8.7	
25.0	81987.	-51.4			344.0	9.8	
20.0	86720.	-48.3			10.9	20.1	
10.0	93029.	-44.0			334.1	29.3	
10.0	101098.	-42.7					

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

END

FILMED

9-84

DTIC